ELECTRONIC TUBE REFERENCE

1DY4A

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-efficiency high-transconductance strap-frame-grid UHF oscillator triode, an A-series DY4 variant with different bulb dimensions and low heater power for long-life stable operation.

General characteristics

BASE DESIGNATION	7DK	**BASE PINS**	7
NOMINAL HEATER	1.6 V / 600 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

7DK - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — P	A	P — Plate (Anode)	CONNECTED
PIN2 — G1	A	G1 — Control Grid	CONNECTED
PIN3 — H	—	H — Heater	CONNECTED
PIN4 — H	—	H — Heater	CONNECTED
PIN5 — K	A	K — Cathode	CONNECTED
PIN6 — G1	A	G1 — Control Grid	CONNECTED
PIN7 — P	A	P — Plate (Anode)	CONNECTED

Section ratings

SECTION1 Triode	
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	20 mA
Published ratings and characteristics promoted from the approved source.	

High-efficiency high-gm medium-mu strap-frame-grid UHF oscillator triode; A-series version of the DY4 family with a different bulb size.

SOURCE OPERATING CONDITIONS

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Current	**2 mA**	—
Oscillator Plate Supply Voltage	**135 V**	960 MHz
Oscillator Plate Current	**11.5 mA**	960 MHz

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	**10.4 mA**	Class A1 at 90 V

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	**2 pF**	Shielded